

**Coating composition and method for preparation of UV, UV/IR or IR/UV curabl coatings.**Patent Number: ☐ EP0524417


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Inventor(s): ARPAC ERTUGRUL PROF DR (TR); GREIWE KLAUS DR (DE); GLAUBITT WALTHER (DE); AMBERG-SCHWAB SABINE DR (DE)

Applicant(s): FRAUNHOFER GES FORSCHUNG (DE)

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Documents: EP0358153; DE3838330; DE3917535; EP0373451**Abstract**

The invention relates to a process for the production of UV- or UV/IR- or IR/UV cured coatings on substrates by applying a coating composition to the substrate to be coated, and to coating compositions which can be cured by exposure to UV radiation or combined UV/IR or IR/UV radiation, and UV or UV/IR or IR/UV, for use in this process. The coating composition according to the invention comprises a component A, which is a solution of a complexed, organometallic Ti or Zr compound containing polymerisable ligands, a component

B, which is a hydrolysate of one or more free-radical-polymerisable alkoxy silanes of the formula  (II), from 0.1 to 5% by weight of a component C, which is an initiator for the polymerisation, and optionally conventional additives, where the molar ratio between the hydrolysable compound (II) and the complexed Ti or Zr compound is between 10:4 and 10:01.

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